

## APPENDIX

### Issued Patents

Line No.	Patent Number	Title	Issue Date	Recordation Information
1.	6,775,281 (08-533)	METHOD AND APPARATUS FOR A FOUR-WAY HASH TABLE	August 10, 2004	<p>Reel/Frame: 010320/0448  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
2.	6,862,287 (08-533-US-CIP)	METHOD AND APPARATUS FOR A FOUR-WAY HASH TABLE	March 1, 2005	<p>Reel/Frame: 013448/0910  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020845/0380  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
3.	6,728,744 08-534-US	WIDE WORD MULTIPLIER USING BOOTH ENCODING	April 27, 2004	<p>Reel/Frame: 014417/0462  Assignors: AMER, MAHER  Assignee: MOSAID TECHNOLOGIES, INC. AND CHRYSALIS-ITS INC.</p> <p>Reel/Frame: 014417/0751  Assignors: CHRYSALIS-ITS INC.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021050/0032  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>

Line No.	Patent Number	Title	Issue Date	Recordation Information
4.	7,136,961 (08-535-US)	METHOD AND APPARATUS FOR WIDE WORD DELETION IN CONTENT ADDRESSABLE MEMORIES	November 14, 2006	Reel/Frame: 014231/0463 Assignors: ROTH, ALAN, ET AL. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY
5.	6,539,369 (08-536-us4)	METHOD AND APPARATUS FOR STORING SPARSE AND DENSE SUBTREES IN A LONGEST PREFIX MATCH LOOKUP TABLE	March 25, 2003	Reel/Frame: 011617/0240 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY
6.	6,836,771 08-536-US-CON	METHOD AND APPARATUS FOR STORING SPARSE AND DENSE SUBTREES IN A LONGEST PREFIX MATCH LOOKUP TABLE	December 28, 2004	Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY
7.	6,839,825 08-537-US2	METHOD AND APPARATUS FOR LOGICALLY EXPANDING THE WIDTH OF MEMORY	January 4, 2005	Reel/Frame: 012223/0167 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY

Line No.	Patent Number	Title	Issue Date	Recordation Information
8.	6,880,064 08-537-US3	METHOD AND APPARATUS FOR PHYSICAL WIDTH EXPANSION OF A LONGEST PREFIX MATCH LOOKUP TABLE	April 12, 2005	<p>Reel/Frame: 012189/0615  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020845/0380  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
9.	6,691,218 08-536-US	METHOD AND APPARATUS FOR LONGEST MATCH ADDRESS LOOKUP	February 10, 2004	<p>Reel/Frame: 011621/0928  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020845/0380  Assignors: BROWN, DAVID A.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
10.	6,279,088 08-532-US-DIV2	MEMORY DEVICE WITH MULTIPLE PROCESSORS HAVING PARALLEL ACCESS TO THE SAME MEMORY AREA	August 21, 2001	<p>Reel/Frame: 020837/0596  Assignors: ELLIOTT, DUNCAN G.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020837/0985  Assignors: SNELGROVE, MARTIN  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>

Line No.	Patent Number	Title	Issue Date	Recordation Information
11.	5,956,274 08-532-US- CON2	MEMORY DEVICE WITH MULTIPLE PROCESSORS HAVING PARALLEL ACCESS TO THE SAME MEMORY AREA	September 21, 1999	<p>Reel/Frame: 008489/0485  Assignors: ELLIOTT, DUNCAN, ET AL.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020837/0596  Assignors: ELLIOTT, DUNCAN G.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020837/0985  Assignors: SNELGROVE, MARTIN  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
12.	5,570,381 08-583	SYNCHRONOUS DRAM TESTER	October 29, 1996	<p>Reel/Frame: 007544/0372  Assignors: SCHOFIELD, PAUL JONATHAN  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
13.	5,822,333 08-584	DIGITAL MEMORY TESTING METHOD	October 13, 1998	<p>Reel/Frame: 008514/0626  Assignors: FOSS, RICHARD C.  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>
14.	7,003,625 08-851-US	SEARCHING SMALL ENTITIES IN A WIDE CAM	February 21, 2006	<p>Reel/Frame: 014244/0611  Assignors: KING, LAWRENCE  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 020837/0962  Assignors: KING, LAWRENCE  Assignee: MOSAID TECHNOLOGIES, INC.</p> <p>Reel/Frame: 021040/0648  Assignors: MOSAID TECHNOLOGIES, INC.  Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY</p>

Line No.	Patent Number	Title	Issue Date	Recordation Information
15.	7,194,574 08-851-US- CON	SEARCHING SMALL ENTITIES IN A WIDE CAM	March 20, 2007	Reel/Frame: 020837/0962 Assignors: KING, LAWRENCE Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY

## APPENDIX

### Pending Applications

Line No.	Application Number	Title	Filing Date	Recordation Information
16.	11/069,635 08-533-US- CON	METHOD AND APPARATUS FOR A FOUR-WAY HASH TABLE	February 28, 2005	Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY
17.	11/548,766 (08-535-us-div)	METHOD AND APPARATUS FOR WIDE WORD DELETION IN CONTENT ADDRESSABLE MEMORIES	October 12, 2006	Reel/Frame: 021045/0682 Assignors: ROTH, ALAN, ET AL. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY
18.	11,099,724 08-537-US- CON	METHOD AND APPARATUS FOR PHYSICAL WIDTH EXPANSION OF A LONGEST PREFIX MATCH LOOKUP TABLE	April 6, 2005	Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY
19.	09/733,629 08-536-US3	METHOD AND APPARATUS FOR AN INCREMENTAL UPDATE OF A LONGEST PREFIX MATCH LOOKUP TABLE	December 8, 2000	Reel/Frame: 011697/0304 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY

Line No.	Application Number	Title	Filing Date	Recordation Information
20.	09/886,659 08-537-US4	METHOD AND APPARATUS FOR LOGICALLY EXPANDING THE LENGTH OF A SEARCH KEY	June 21, 2001	Reel/Frame: 012217/0010 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC.  Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY